WHAT IS CLAIMED IS:

1.   A computerized method of extracting a key frame from a video, comprising the steps of:

   a) providing a reference frame;

   b) providing a current frame different from the reference frame;

   c) determining a chromatic difference measure between the reference frame and the current frame;

   d) determining a structure difference measure between the reference frame and the current frame; and

   e) identifying the current frame as a key frame if the chromatic difference measure exceeds a chromatic threshold and the structure difference measure exceeds a structure threshold.

2.   The method defined in Claim 1, additionally comprising the step of setting the current frame to be the reference frame if a key frame is identified.

3.   The method defined in Claim 1, additionally comprising the step of repeating steps c-e for a new current frame until the end of the video is reached.

4.   The method defined in Claim 3, wherein the new current frame is selected to be at a predetermined time interval after the current frame.

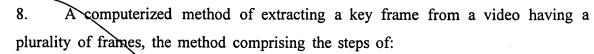5.   The method defined in Claim 4, wherein the predetermined time interval is user-selectable.

6.   The method defined in Claim 1, wherein the value of the chromatic threshold and the value of the structure threshold are each user-selectable.

7.   The method defined in Claim 1, wherein the step of determining the structure difference measure is performed only if the chromatic difference measure exceeds the chromatic threshold.

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8.   A computerized method of extracting a key frame from a video having a plurality of frames, the method comprising the steps of:

        a) providing a reference frame;

        b) providing a current frame different from the reference frame;

        c) determining a first difference measure between the reference frame and the current frame;

        d) determining a second difference measure between the reference frame and the current frame; and

        e) identifying the current frame as a key frame if the first difference measure exceeds a first threshold and the second difference measure exceeds a second threshold.

9.   The method defined in Claim 8, additionally comprising the step of setting the current frame to be the reference frame if a key frame is identified.

10.   The method defined in Claim 8, wherein the first difference measure is orthogonal to the second difference measure.
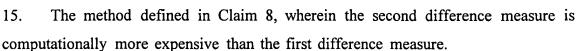
11.   The method defined in Claim 8, additionally comprising the step of repeating steps c-e for a new current frame until the end of the video is reached.

12.   The method defined in Claim 11, wherein the new current frame is selected to be at a predetermined time interval after the current frame.

13.   The method defined in Claim 8, wherein the value of the first threshold and the value of the second threshold are each user-selectable.

14.   The method defined in Claim 8, wherein the step of determining the second difference measure is performed only if the first difference measure exceeds the first threshold.

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15.   The method defined in Claim 8, wherein the second difference measure is computationally more expensive than the first difference measure.

16.   The method defined in Claim 8, wherein the second difference measure extracts more information than the first difference measure.

17.   The method defined in Claim 8, additionally comprising the step of determining a third difference measure between the reference frame and the current frame, and wherein the identifying step identifies the current frame as the key frame if the third difference measure exceeds a third threshold.

18.   A computerized method of extracting a key frame from a video having a plurality of frames, the method comprising the steps of:
        a) providing a reference frame;
        b) providing a current frame different from the reference frame;
        c) determining a structure difference measure between the reference frame and the current frame; and
        d) identifying the current frame as a key frame if the structure difference measure exceeds a structure threshold.

19.   The method defined in Claim 18, additionally comprising the step of setting the current frame to be the reference frame if a key frame is identified.

20.   The method defined in Claim 18, additionally comprising the step of repeating steps c and d for a new current frame until the end of the video is reached.

21.   The method defined in Claim 20, wherein the new current frame is selected to be at a predetermined time interval after the current frame.

22.   The method defined in Claim 18, wherein the value of the structure threshold is user selectable.

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